

What is claimed is:

1. An electronic apparatus comprising:

a frame member attached to a front part of an apparatus body;

5 a movable member accommodated inside the frame member; and

driving means for moving the movable member,

wherein the movable member is rotated around a first shaft, and

an initial movement from an accommodation position of
10 the movable member by the driving means has a movement component in a forward direction with respect to the apparatus body at a position of the first shaft and a position of a front end which is opposite to the first shaft.

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2. The electronic apparatus according to claim 1,

wherein the first shaft and the front end of the movable member initially move in parallel each other, when the movable member moves from an accommodation position.

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3. The electronic apparatus according to claim 1,

wherein the driving means includes a sliding member for moving a lower part of the movable member in forward

and backward directions, and

the first shaft is rotatably coupled to the sliding member.

5 4. The electronic apparatus according to claim 1,

wherein the movable member has a second shaft in both side portions, and

the frame member has a guide groove for slidably guiding the second shaft.

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5. The electronic apparatus according to claim 4,
further comprising:

energizing means for forward energizing the second shaft side of the movable member in the accommodation position.

6. The electronic apparatus according to claim 5,

wherein the energizing means is a spring member.

20 7. The electronic apparatus according to claim 4,

wherein the guide groove has an upper end for guiding the second shaft in a forward direction with respect to the apparatus body.

25 8. The electronic apparatus according to claim 1,

wherein the driving means includes a sliding member for moving a lower part of the movable member in forward and backward directions,

the first shaft is rotatably coupled to the sliding
5 member,

the movable member has a second shaft in both side portions,

the frame member has a guide groove for slidably guiding the second shaft, and

10 the front end of the movable member, the second shaft, and the first shaft are positioned from a forward side to a rearward side of the apparatus body in this order.

15 9. The electronic apparatus according to claim 1,
wherein the movable member has a projection,
the frame member has a guide groove in a position corresponding to the projection of an internal wall surface, and

20 the projection is inserted into the guide groove when the movable member comes to be accommodated.

10. The electronic apparatus according to claim 9,
further comprising:

25 a rubber pad on an opposed surface of the guide

groove.

11. A movable member driving method in an electronic apparatus comprising a frame member attached to a front 5 part of an apparatus body, a movable member accommodated inside the frame member to be rotated around a first shaft, and driving means for moving the movable member, when the movable member moves from an accommodation position, comprising the steps of:

10 moving the first shaft and a front end, which is opposite to the first shaft, of the movable member in a forward direction with respect to the apparatus body; and rotating the movable member around the first shaft.

15 12. A movable member positioning method in an electronic apparatus comprising a frame member attached to a front part of an apparatus body, a movable member accommodated inside the frame member to be rotated around a first shaft, and driving means for moving the movable member, with using 20 a jig having parallel protruded pieces to abut on an inside surface of the frame member, comprising the steps of:

inserting the protruded pieces of the jig into the frame member from a front of the frame member;

25 inserting the apparatus body including the movable member between the protruded pieces from a rear of the

frame member;

positioning the movable member with respect to the frame member; and

fixing the apparatus body and the frame member.

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13. An electronic apparatus comprising:

a frame member attached to a front part of an apparatus body;

10 a movable member movably supported on an inside of the frame member; and

driving means for driving the movable member,

wherein the movable member is rotated while a lower part of the movable member moves in forward and backward directions of the apparatus body by a driving operation of 15 the driving means to open and close the front part of the apparatus body, and

an upper end is displaced in only a downward direction in a vertical direction of the apparatus body when the movable member in the most erected state is 20 rotated.

14. The electronic apparatus according to claim 13,

wherein the movable member has a sliding shaft provided on an upper side of both side portions, and a 25 rotating shaft provided on a lower side of the both side

portions,

the frame member has a guide groove to be inserted
the sliding shaft of the movable member and guiding the
sliding shaft, and

5 the driving means includes a sliding member coupled
to the rotating shaft of the movable member and driving the
rotating shaft in the forward and backward directions of
the apparatus body.

10 15. The electronic apparatus according to claim 14,

wherein the rotating shaft of the movable member is
positioned in the same place of a top of the upper end or
is positioned forward therefrom in the forward and backward
directions of the apparatus body in a condition that the
15 movable member is set in the most erected state.

16. An electronic apparatus comprising:

a frame member attached to a front part of an
apparatus body;

20 a movable member accommodated in the frame member;
and

driving means for moving the movable member,
wherein the movable member is rotated around a first
shaft,

25 the movable member moves by a driving operation of

the driving means from a position where the movable member is accommodated in a forward direction with respect to the apparatus body in a position of the first shaft, and

5 a component in a direction orthogonal to the forward direction in a position of a front end which is opposite to the first shaft is set in a direction of the first shaft side.

17. The electronic apparatus according to claim 16,

10 wherein the driving means includes a sliding member for moving a lower part of the apparatus body in forward and backward directions, and

the first shaft is rotatably coupled to the sliding member.

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18. The electronic apparatus according to claim 16,

wherein the movable member has a second shaft in both side portions, and

20 the frame member has a guide groove for slidably guiding the second shaft.

19. The electronic apparatus according to claim 16,

wherein the driving means includes a sliding member for moving a lower part of the apparatus body in forward and backward directions,

the first shaft is rotatably coupled to the sliding member,

the movable member has a second shaft in both side portions,

5 the frame member has a guide groove for slidably guiding the second shaft, and

the first shaft, the front end of the movable member, and the second shaft are positioned from a forward side to a rearward side of the apparatus body in this order.